

IN THE U.S. PATENT AND TRADEMARK OFFICE  
I N F O R M A T I O N   S H E E T

Applicant: KUMAGAI, Hiroshi  
MIDORIKAWA, Katsumi

Application No.:

Filed: January 29, 2002

For: METHOD FOR LASER COOLING OF ATOMS AND APPARATUS THEREFOR AS  
WELL AS COHERENT LIGHT SOURCE USED FOR LASER COOLING OF  
ATOMS

Priority Claimed Under 35 U.S.C. 119 and/or 120:

COUNTRY	DATE	NUMBER
JAPAN	01/29/01	2001-20243
JAPAN	01/21/02	2002-11558

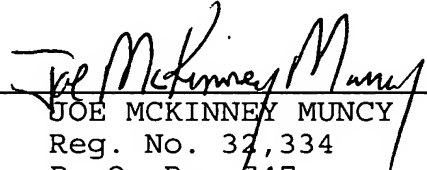
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Falls Church, Virginia 22040-0747  
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The above information is submitted to advise the USPTO of all relevant facts in connection with the present application. A timely executed Declaration in accordance with 37 CFR 1.64 will follow.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By

  
JOE MCKINNEY MUNCY

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Date: January 29, 2002

Docket No.: 1794-0147P

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing  
is a patent application applied for on behalf of the inventor(s)  
according to the provisions of 37 CFR 1.41(c).

Inventor(s): KUMAGAI, Hiroshi  
MIDORIKAWA, Katsumi

For: METHOD FOR LASER COOLING OF ATOMS AND APPARATUS THEREFOR AS  
WELL AS COHERENT LIGHT SOURCE USED FOR LASER COOLING OF  
ATOMS

Enclosed are:

- X  A specification consisting of  62  pages
- X   24  sheet(s) of  FORMAL  drawings
- Certified copy of Priority Document(s)
- X  Executed Declaration in accordance with 37 CFR 1.64 will follow
- Applicant claims small entity status in accordance with 37 CFR 1.27
- Preliminary Amendment

- X Information Sheet
- Information Disclosure Statement, PTO-1449 with reference(s)
- Application Data Sheet in accordance with 37 CFR 1.76
- Other \_\_\_\_\_
- Applicant requests early publication

The filing fee has been calculated as shown below:

## LARGE ENTITY

## SMALL ENTITY

FOR	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE	*****	*****	*****			****	
	*****	*****	*****	\$740.00	or	****	\$370.00
	*****	*****	*****			****	
TOTAL CLAIMS	12 - 20 =	0	x18 = \$	0.00	or	x 9 = \$	0.00
INDEPENDENT	7 - 3 =	4	x84 = \$	336.00	or	x 42 = \$	0.00
MULTIPLE DEPENDENT CLAIM PRESENTED	<u>no</u>		+280 = \$	0.00	or	+140 = \$	0.00

TOTAL \$1,076.00

TOTAL \$ 0.00

- X The application transmitted herewith is filed in accordance with 37 CFR 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed patent application together with the surcharge will be forwarded in due course.
- X A check in the amount of \$ 1,076.00 to cover the filing fee and recording fee (if applicable) is enclosed.
- The Government Filing Fee will be paid at the time of completion of the filing requirement.
- Please charge Deposit Account No. 02-2448 in the amount of \$ \_\_\_\_\_. A triplicate copy of this transmittal form is enclosed.

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292  
P. O. Box 747  
Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000

— No fee is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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